CLAIMS

1   1.   A method for evaluating verification of data by an
2   operator, comprising:
3   presenting   the   data   to   the   operator   on   a
4   computer-controlled display;
5   measuring a time duration over which the operator
6   interacts with the display in verifying the presented
7   data; and
8   evaluating   the   verification   of   the   data   by   the
9   operator responsive to the time duration.

1   2.   A method according to claim 1, wherein presenting
2   the data comprises displaying characters from a document
3   to which codes have been assigned so that the operator
4   can verify that the assigned codes are correct.

1   3.   A method according to claim 2, wherein displaying
2   the characters comprises displaying results of optical
3   character recognition (OCR) processing.

1   4.   A method according to claim 3, wherein displaying
2   the results comprises displaying together a plurality of
3   characters which have been assigned the same code by the
4   OCR processing.

1   5.   A method according to claim 2, wherein displaying
2   the characters comprises presenting characters in the
3   form of a word.

1   6.   A method according to claim 1, wherein measuring a
2   time duration over which the operator interacts with the
3   display comprises measuring the time taken by the
4   operator to verify an entire screen of the data.

1   7.   A method according to claim 1, wherein measuring the

2 time duration over which the operator interacts with the
3 display comprises measuring an interaction with a
4 particular item on a screen of the data.

1 8. A method according to claim 7, wherein measuring the
2 interaction with the particular item on the screen
3 comprises monitoring use of a pointing device by the
4 operator.

1 9. A method according to claim 1, wherein evaluating
2 the verification of the data comprises assigning a
3 confidence level to the data responsive to the time
4 duration.

1 10. A method according to claim 9, wherein assigning the
2 confidence level comprises lowering the confidence level
3 as the time duration increases.

1 11. A method according to claim 10, and further
2 comprising effecting a corrective action responsive to
3 the low confidence level.

1 12. A method according to claim 11, wherein effecting
2 the corrective action comprises presenting the data to a
3 second operator.

1 13. A method according to claim 1, wherein evaluating
2 the verification of the data comprises rejecting the
3 verification of the data when the time duration exceeds a
4 predetermined limit.

1 14. A method according to claim 13, wherein rejecting
2 the verification comprises passing the data to another
3 operator for verification.

1 15. A method according to claim 1, wherein measuring the
2 time duration comprises calculating an average time
3 duration for the operator to process a given quantity of

4   the data, and comparing the time duration to the average.

1   16. A method according to claim 1, wherein measuring the
2   time duration over which the operator interacts with the
3   display comprises measuring movement of an eye of the
4   operator in viewing the display.

1   17. A method according to claim 1, wherein evaluating
2   the verification of the data comprises rejecting the
3   verification of the data when the time duration is less
4   than a predetermined limit.

1   18. Data verification apparatus, comprising:
2   an interactive display, configured to present data
3   for verification to an operator;
4   an input device coupled to the interactive display
5   so as to enable the operator to verify the presented data
6   by interaction with the display; and
7   a processor arranged to measure a time duration
8   during which the operator interacts with the display in
9   verifying the presented data, and to evaluate the
10   verification of the data by the operator responsive to
11   the time duration.

1   19. Apparatus according to claim 18, wherein the data
2   comprise characters from a document to which a code has
3   been assigned, presented so that the operator can verify
4   that the assigned code is correct.

1   20. Apparatus according to claim 18, wherein the codes
2   are determined by optical character recognition (OCR)
3   processing of the characters.

1   21. Apparatus according to claim 20, wherein the data
2   presented for verification comprise a plurality of
3   characters which have been classified by the OCR

4   processing as having the same code.

1   22. Apparatus according to claim 18, wherein the
2   processor is arranged to measure the time duration over
3   which the operator interacts with the whole screen.

1   23. Apparatus according to claim 18, wherein the
2   processor is arranged to measure the time duration over
3   which the operator interacts with a particular item on
4   the screen.

1   24. A system according to claim 18, and further
2   comprising an eye tracking device, adapted to measure
3   movement of an eye of the operator in viewing the
4   display, wherein the processor is coupled to receive an
5   input from the eye tracking device for use in evaluating
6   the verification of the data.

1   25. A computer software product for evaluating
2   verification of data by an operator, the product
3   comprising a computer-readable medium in which program
4   instructions are stored, which instructions, when read by
5   a computer, cause the computer to present the data to the
6   operator on a computer-controlled display, to measure a
7   time duration over which the operator interacts with the
8   display in verifying the presented data, and to evaluate
9   the verification of the data by the operator responsive
10 to the time duration.

1   26. A product according to claim 25, wherein the
2   instructions cause the computer to display characters
3   from a document to which codes have been assigned so that
4   the operator can verify that the assigned codes are
5   correct.

1   27. A product according to claim 26, wherein the

2 instructions cause the computer to display results of

3 optical character recognition (OCR) processing.

1 28. A product according to claim 27, wherein the

2 instructions cause the computer to display together a

3 plurality of characters which have been assigned the same

4 code by the OCR processing.

1 29. A product according to claim 27, wherein the

2 instructions cause the computer to present characters in

3 the form of a word.

1 30. A product according to claim 25, wherein the

2 instructions cause the computer to measure the time taken

3 by the operator to verify an entire screen of the data.

1 31. A product according to claim 25, wherein the

2 instructions cause the computer to measure a time

3 duration of an interaction with a particular item on a

4 screen of the data.

1 32. A product according to claim 31, wherein the

2 instructions cause the computer to monitor use of a

3 pointing device by the operator.

1 33. A computer software product according to claim 25,

2 wherein the instructions cause the computer to assign a

3 confidence level to the data responsive to the time

4 duration.

1 34. A product according to claim 33, wherein the

2 instructions cause the computer to lower the confidence

3 level as the time duration increases.

1 35. A product according to claim 34, and wherein the

2 instructions cause the computer to effect a corrective

3 action responsive to the low confidence level.

1 36. A product according to claim 35, wherein the
2 instructions cause the computer to present the data to a
3 second operator.

1 37. A product according to claim 25, wherein the
2 instructions cause the computer to reject the
3 verification of the data when the time duration exceeds a
4 predetermined limit.

1 38. A product according to claim 37, and wherein the
2 instructions cause the computer to pass the data to
3 another operator for verification.

1 39. A product according to claim 25, wherein the
2 instructions cause the computer to calculate an average
3 time duration for the operator to process a given
4 quantity of the data, and to compare the time duration to
5 the average.

1 40. A product according to claim 25, wherein the
2 instructions cause the computer to measure a time
3 duration of a mouse cursor dwelling substantially on one
4 item on the display by tracking the cursor by means of a
5 tracking device, the tracking device connected
6 electrically to the computer.

1 41. A product according to claim 25, wherein the
2 instructions cause the computer to measure a time
3 duration of a movement of an operator's eye by tracking
4 the eye by means of a tracking device, the tracking
5 device connected electrically to the computer.

1 42. A product according to claim 25, wherein the
2 instructions cause the computer to reject the
3 verification of the data when the time duration is less
4 than a predetermined limit.